



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,149	07/31/2003	Phillip B. Blankenship	SEM225-00/08422	2224
24118 7590 02/24/2010 HEAD, JOHNSON & KACHIGIAN 228 W 17TH PLACE TULSA, OK 74119			EXAMINER MILLER, DANIEL H	
			ART UNIT 1794	PAPER NUMBER
			MAIL DATE 02/24/2010	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. 10631149 Drawings filed 7-31-2003

IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ The character of the lines, numbers, and letters is poor. FIG(s) _____
- ☐ There is a hole or the image thereof within the illustration. FIG(s) _____
- ☐ An ink stamp or the image thereof obscures part of the illustration. FIG(s) _____
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s) _____
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s) _____
- ☒ Figure ^{labels} numbers are duplicated or missing. FIG(s) See Below-Comments
- ☐ Drawing sheet or figure is missing. FIG(s) _____
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s) _____
- ☐ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s) _____
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s) _____
- ☐ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s) _____
- ☐ The drawing is continued onto a second page (or more) without proper labeling under 37 CFR 1.84(u)(1). FIG(s) _____
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s) _____
- ☐ Color drawings are present in this application but the following 37 CFR 1.84(a) requirements have not been met*:
 - ☐ Petition explaining why color drawings are necessary
 - ☐ Petition fee set forth in § 1.17(h)
 - ☐ Three (3) sets of color drawings
 - ☐ Color drawing paragraph in specification

*If color drawings are not elected, then applicant **must respond** so stating. Also, references to color drawings in the specification, if any, must be amended.

COMMENTS: Fig 1-3 have illegible figure labels due to dark shading.